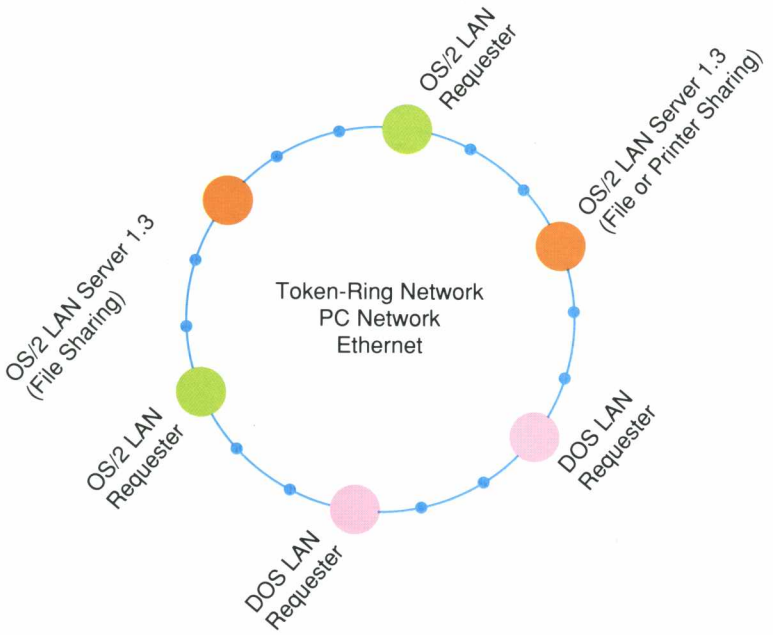
IBM Operating System/2 Local Area Network Server Version 1.3



Now you can use the multitasking power of Operating System/2® to share applications, files and printers—among DOS and OS/2® workstations alike. That's the promise of IBM OS/2 LAN Server 1.3.

OS/2 LAN Server 1.3 makes it easy for users at interconnected workstations to access resources throughout a LAN no matter where those resources are located. From the users' perspective, these resources seem to be resident right at their workstations.

Users can transparently access and share directories, files, printers and programs—as well as such serially attached devices as plotters, modems and scanners. And because OS/2 LAN Server provides optional pooling and queuing capabilities, users' requests may be automatically ordered and arranged to allow access to the first available device.

Operating System/2 LAN Server 1.3 also provides comprehensive local area network capabilities to help you move from DOS to an IBM Operating System/2 Extended Edition (EE) Version 1.3 environment. The reason: OS/2 LAN Server 1.3 now includes the DOS LAN Requester and LAN Support Program, which provide DOS 3.3 and 4.0 users with:

- An improved user interface for both local and remote resources
- Enhanced capabilities for customized management of applications and memory
- Compatibility with Microsoft® Windows™ 3.0

With these features, OS/2 LAN Server 1.3 helps your DOS workstations reap the benefits of IBM OS/2 right away. For instance, a DOS-based workstation can use the DOS LAN Requester to access the OS/2 LAN Server and benefit from many advanced OS/2 functions. As a result, you can mix and match DOS- and OS/2-based workstations on a network and still keep applications running smoothly—and information flowing smoothly, too. Even better, when new applications or increased network demands require adding further advanced functions to your DOS workstations, you can easily migrate to OS/2 EE 1.3.

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That's not all. OS/2 LAN Server 1.3 lets you take advantage of key functions. For example, it supports up to 8,000 open files and works with OS/2's High Performance File System to support extended file names. The result: It's easier for users to locate precisely the information they need from among the thousands of files stored in different network servers.

Users can also benefit from such features as faster file access, powerful interprocess communication for multitasking, improved error logging and audits, print spooling, and more. Programmers benefit, too—particularly from OS/2 LAN Server 1.3's Application Programming Interfaces (APIs), which help them work faster and more productively.

What's more, OS/2 LAN Server 1.3 complements the powerful components of OS/2 EE. Information from a relational database provided in EE's Database Manager can be stored in flat files. Such files can then be shared among OS/2 LAN Server users.

LAN Server 1.3 can also work alongside OS/2 EE's Communications Manager. For example, you can use Communications Manager's terminal emulation to work with IBM AS/400™ or System/370™ hosts or Advanced Program-to-Program Communications (APPC) applications—and access OS/2 LAN Server 1.3 resources at the same time. That's because of the advanced multitasking capabilities of the OS/2 base operating system.

Of course, you don't have to install OS/2 on every workstation to take advantage of some of these features. OS/2 LAN Server 1.3 allows DOS LAN Requester and LAN Support Program to be installed—at no additional charge—on up to 128 workstations running DOS 3.3 or 4.0. And, for PC LAN Program 1.3 users, an easy-to-use, menu-based installation option allows downloading of the DOS LAN Requester.

Your LAN options don't stop there. The OS/2 LAN and DOS LAN Requesters can work over Ethernet™ as well as IBM Token-Ring and PC Networks. So you get maximum flexibility in LAN media—a must in today's multivendor environments.

Security services. LAN Server 1.3 utilizes OS/2 EE's User Profile Management (UPM), a comprehensive set of services to protect network resources. For example, UPM provides a common access control system based on the logon user ID. UPM enables you to use the same user ID and password to access resources controlled by OS/2 Extended Edition's Communications Manager and Database Manager—as well as by OS/2 LAN Server 1.3.

In addition, a designated network administrator can control access to directories, files, programs, printers and serial devices. User access to these and other resources is under the strict control of the administrator—and can be changed as circumstances require.

And OS/2 LAN Server 1.3 offers additional network management tools through its Command Line Interface, which gives you greater control over users, groups, aliases and access control profiles.

Printer management. OS/2 LAN Server uses the OS/2 Extended Edition print spooler, which can support multiple printers concurrently. And that's just the beginning of a long list of print-management benefits, including:

- Printer-pool support
- Automatic job routing to the first available appropriately configured printer
- Support for multiple print priorities
- Automatic release of certain job queues for printing after a specified time of day
- Optional messaging to notify users of print job disposition (finished, paused, canceled, etc.)
- Capability to use such installable print processors as PostScript® interpreters and graphics print programs

To simplify the task of print management, OS/2 LAN Server uses OS/2 Extended Edition Presentation Manager—a convenient screen interface. Administrators can use it to gain full control over status and configuration of network printers and print queues. They can view local or remote print queues and add, delete, pause, continue, reconfigure, reprioritize and restart jobs as needed. Similarly, users at workstations operating under OS/2 Extended Edition Version 1.3 can display the status of their jobs in print queues—and delete them if they wish.

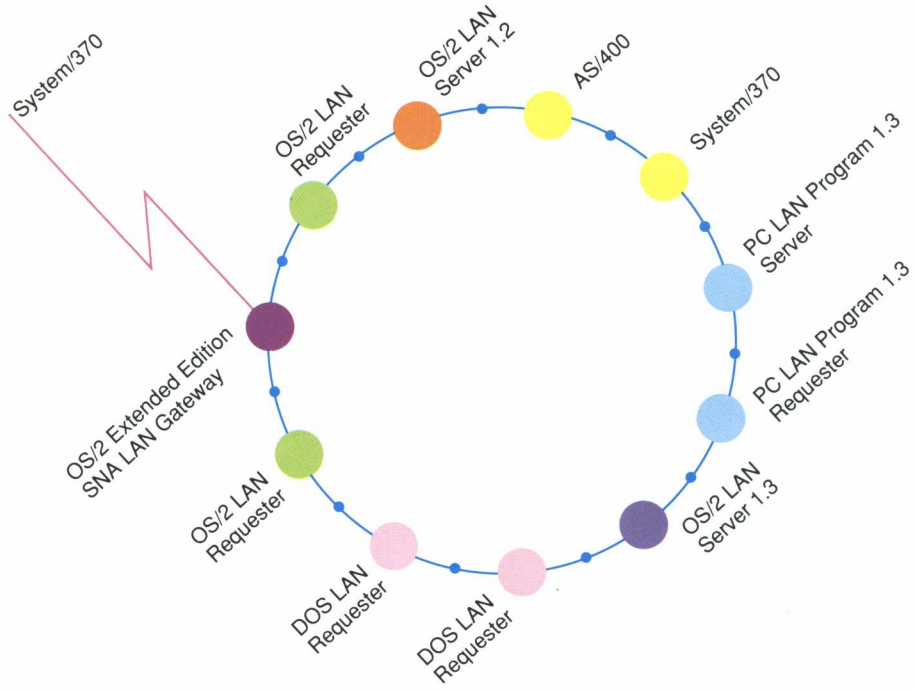
Remote Initial Program Load (IPL). With this feature, IBM OS/2 LAN Server 1.3 can download applications and data to DOS workstations on a Token-Ring or PC Network LAN. As a result, your DOS workstations won't need fixed disks, diskette drives or other media to run those applications. That means improved security, too—all your programs and data are stored in the server.

LAN resource administration. The resource/network administration functions provided by OS/2 LAN Server join separate LAN software and hardware components into a cohesive system. As a result, users see all resources as a single system. And administrators have the capability to control multiple servers as well as all facets of resource sharing from any OS/2 Extended Edition workstation.

To help administrators optimize network performance and analyze usage patterns, OS/2 LAN Server offers a full set of high-level diagnostic capabilities—for audit trailing, statistics collection and error logging. In addition, it provides an administration notification feature that sends preprogrammed messages when server disks become nearly full or excessive password violations take place.

Remote program execution. A special utility provided by OS/2 LAN Server, Net Run, permits authorized OS/2 Extended Edition users to run programs on the server machine. This can help minimize data traffic across the network by allowing file-intensive programs to run at the server machine where the files are located. It can also provide for greater efficiency in carrying out server backup operations, document formatting, database indexing and program compilations.

File Replication Service. With this facility, OS/2 LAN Server 1.3 can replicate all or part of a directory tree over the LAN to other workstations running OS/2 LAN Server or OS/2 EE LAN Requester. What's more, OS/2 LAN Server updates that information automatically. By replicating directories on different workstations, OS/2 LAN Server gives users a faster, more powerful means of backing up critical resources across the network.



Migration. OS/2 LAN Server 1.3 contains the facilities you need for smooth upgrades from PC LAN Program 1.3 and OS/2 LAN Server 1.0. With its Domain Control Database Migration Utility, OS/2 LAN Server 1.3 allows you to import all the necessary data from your earlier LAN programs—with minimal disruption of end-user operations.

What you get

IBM Operating System/2 Local Area Network Server Version 1.3 is available on 5.25-inch and 3.5-inch diskettes.

IBM OS/2 LAN Server 1.3 includes the following publications:

- License Information Booklet
- Program License Agreement
- Proof of License
- Getting Started
- Network Administrator's Guide
- User's Guide
- DOS LAN Requester User's Guide
- LAN Support Program User's Guide

Warranty/Service

IBM OS/2 LAN Server 1.3 is backed by an enhanced warranty and service plan. The three-month warranty starts when the product is acquired and covers both the media and the program. A no-charge service plan is available for up to 12 months after general availability.

IBM Operating System/2 Local Area Network Server 1.3 at a glance

Local area networks supported	IBM Token-Ring Network, IBM PC Network Broadband and Baseband, Ethernet
Number of desktop systems supported	Supports up to 254 NETBIOS sessions; maximum number of attached workstations depends on LAN adapter and wiring characteristics
Network functions	Printer, file, serially attached devices, and program sharing; messaging; remote IPL (DOS only); multiple network servers; user logon/password; resource administration
Required software	IBM Operating System/2 Extended Edition Version 1.3
Communications support	All communications facilities and interfaces are provided by the Communications Manager of IBM Operating System/2 Extended Edition Version 1.3
Systems supported	IBM Personal System/2® Models 30 286 and above equipped with at least 30MB DASD; IBM Personal Computer AT® (Models 099, 239, 319, 339) PS/2® Model 55 LS is supported by DOS on a Token-Ring Network[1]
Adapters supported	IBM Token-Ring Network: IBM Token-Ring Network 16/4 Adapter, IBM Token-Ring Network 16/4 Adapter/A, IBM Token-Ring Network 16/4 Trace and Performance Adapter, IBM Token-Ring Network 16/4 Trace and Performance Adapter/A, IBM Token-Ring Network Adapter/A, IBM Token-Ring Network PC Adapter, IBM Token-Ring Network PC Adapter II, IBM Token-Ring Network PS/2 Model P70 386 Adapter/A IBM PC Network: IBM PC Network Baseband Adapter, IBM PC Network Baseband Adapter/A, IBM PC Network Adapter (Broadband), IBM PC Network Adapter II, IBM PC Network Adapter II/A, IBM PC Network Adapter II—Frequency 2, IBM PC Network Adapter II/A—Frequency 2, IBM PC Network Adapter II—Frequency 3, IBM PC Network Adapter II/A—Frequency 3 IBM PS/2 Adapter/A for Ethernet Networks

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™*AS/400 and System/370 are trademarks of International Business Machines Corporation. Windows is a trademark of Microsoft Corporation. Ethernet is a trademark of Xerox Corporation.*
[1] *IBM intends to support Remote Program Load of OS/2 in a Token-Ring Network and Remote Program Load of DOS and OS/2 in an Ethernet Network.*

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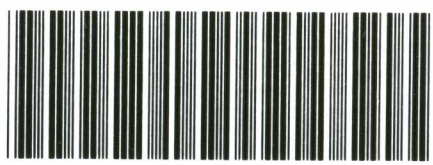

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